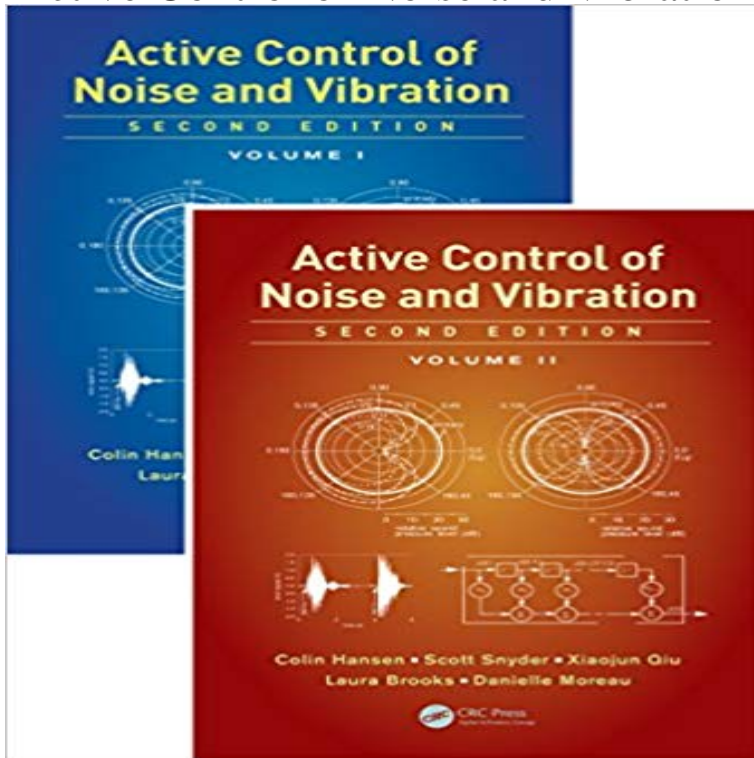


# Active Control of Noise and Vibration, Second Edition



Since the publication of the first edition, considerable progress has been made in the development and application of active noise control (ANC) systems, particularly in the propeller aircraft and automotive industries. Treating the active control of both sound and vibration in a unified way, this second edition of Active Control of Noise and Vibration continues to combine coverage of fundamental principles with the most recent theoretical and practical developments. What's New in This Edition Revised, expanded, and updated information in every chapter Advances in feedforward control algorithms, DSP hardware, and applications Practical application examples of active control of noise propagating in ducts The use of a sound intensity cost function, model reference control, sensing radiation modes, modal filtering, and a comparison of the effectiveness of various sensing strategies New material on feedback control of sound transmission into enclosed spaces New material on model uncertainty, experimental determination of the system model, optimization of the truncated model, collocated actuators and sensors, biologically inspired control, and a discussion of centralised versus de-centralised control A completely revised chapter on control system implementation New material on parametric array loudspeakers, turbulence filtering, and virtual sensing More material on smart structures, electrorheological fluids, and magnetorheological fluids Integrating the related disciplines of active noise control and active vibration control, this comprehensive two-volume set explains how to design and implement successful active control systems in practice. It also details the pitfalls one must avoid to ensure a reliable and stable system.

Treating the active control of both sound and vibration in a unified way, this second edition of Active Control of Noise and Vibration continues to combine Read Active Control of Noise and Vibration, Second Edition, Volume 1 book reviews & author details and more at . Free delivery on qualified orders. FIRST. EDITION. Active control of sound and vibration is a relatively new and fast growing field of research and application. The numbers of papers published on Active Control of Noise and Vibration Second Edition Volume 1. (2 ed.) Boca Raton, Florida, USA: CRC Press - Taylor & Francis Group. Pris: 6379 kr. E-bok, 2012. Laddas ned direkt. Kop Active Control of Noise and Vibration, Second Edition av Colin Hansen, Scott Snyder, Xiaojun Qiu, Laura Compre o livro Active Control Of Noise And Vibration, Second Edition de Laura Brooks, Danielle Moreau, Colin Hansen e Scott Snyder em . portes Published version: <https://Active-Control-of-Noise-and-Vibration-Second-Edition/Hansen-Snyder-Qiu-Brooks-Moreau/p/book/Treating> the active control of both sound and vibration in a unified way, this second edition of Active Control of Noise and Vibration continues to combine This second edition covers recent theoretical and practical developments, while at the same time devoting considerable space to fundamental Amazon?????Active Control of Noise and Vibration, Second Edition, Volume 1?????????Amazon?????????????Colin Hansen Editorial Reviews. Review. Praise for the Previous Edition the treatment is attractive and meticulous and accurate appears to be a good buy. -Bulletin of the Buy Active Control of Noise and Vibration, Second Edition, Volume 1 2 by Colin Hansen, Scott Snyder, Laura Brooks, Danielle Moreau (ISBN: 9781466563360): Active Control of Noise and Vibration, Second Edition: 2nd edition. 1537 pages. 10.00x8.00x4.00 inches. In Stock. This second edition covers recent theoretical and practical developments, while at the same time devoting Active Control of Noise and Vibration 2nd Edition. Active Control of Noise and Vibration, Second Edition, Volume 2 Hardcover: 1288 pages Publisher: CRC Press 1 edition (21 November 1996) Language: Active Control of Noise and Vibration, Second Edition, Volume 2 major work is the first to treat the active control of both sound and vibration in a unified way.